

FORM PTO-1390	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No.
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			1751-391
			U.S. Application No. (if known) 10/558899 New Application
INTERNATIONAL APPLICATION NO. PCT/KR2004/000374	INTERNATIONAL FILING DATE February 24, 2004	PRIORITY DATE CLAIMED June 9, 2003	
TITLE OF INVENTION CONTACTS FABRIC USING HETEROSTRUCTURE OF METAL/SEMICONDUCTOR NANORODS AND FABRICATION METHOD THEREOF			
APPLICANT(S) FOR DO/EO/US Gyu Chul YI and Won Il PARK			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 			
ITEMS 11. TO 20. below concern other document(s) or information included:			
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input checked="" type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: [X] RO/101 [] RO/105 [X] ISA/210(ISR) [X] ISA/220 [X] Written Opinion [X] IB/301 [X] IB/304 [X] IB/308 [X] IB/332 [X] IB/416 [X] IPEA/409(IPER) [X] Published Application WO 2004/109815 A1 			

U.S. APPLICATION NO. Unknown New Application 207558899	INTERNATIONAL APPLICATION NO. PCT/KR2004/000374	ATTORNEY DOCKET NO. 1751-391
<p>The following fees are submitted:</p> <p>21. <input checked="" type="checkbox"/> Basic National Fee \$300.00</p>		
<p>22. <input checked="" type="checkbox"/> Examination Fee If the written opinion prepared by ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations..... \$200.00</p>		
<p>23. <input checked="" type="checkbox"/> Search Fee If the written opinion of the ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100.00 International Search Report prepared and provided to the Office..... \$400.00 All other situations..... \$500.00</p>		
TOTAL OF 21,22 and 23= \$ 900.00		
<p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or a fraction thereof.</p>		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof
- 100=	/ 50	X 250.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		
Claims	Number Filed	Number Extra
Total Claims	15 - 20 =	0
Independent Claims	2 - 3 =	0
Multiple dependent claim(s) (if applicable)		+ \$360.00
TOTAL OF ABOVE CALCULATIONS = \$ 900.00		
<p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</p>		
SUBTOTAL = \$ 450.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		
TOTAL NATIONAL FEE = \$		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		
TOTAL FEES ENCLOSED = \$490.00		
		Amount to be refunded
		\$ charged
<p>a. <input checked="" type="checkbox"/> Checks in the amount of <u>\$ 450.00 AND 40.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of \$____ to cover the above fees.</p> <p>A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.</p>		
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>		
<p>SEND ALL CORRESPONDENCE TO: Customer No. 6449</p>		
<p>G. Franklin Rothwell Rothwell, Figg, Ernst & Manbeck 1425 K St., N.W. Washington, D.C. 20005 Phone: 202/783-6040</p>		
<p><u>G. F. Rothwell</u> Signature</p>		
<p><u>G. Franklin Rothwell</u> Name</p>		
<p><u>18,125</u> Registration Number</p>		

10/558899

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 371 of PCT/KR2004/000374
Applicant : Gyu Chul YI et al.
Filed : Herewith
TC/A.U. :
Examiner :

Docket No. : 1751-391
Customer No. : 06449
Confirmation No. :

SUBMISSION OF SUBSTITUTE SPECIFICATION

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

A substitute specification is being submitted herewith. A clean copy and marked copy
of the specification are attached. No new matter has been added.

Respectfully submitted,

By: G. F. Rothwell
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